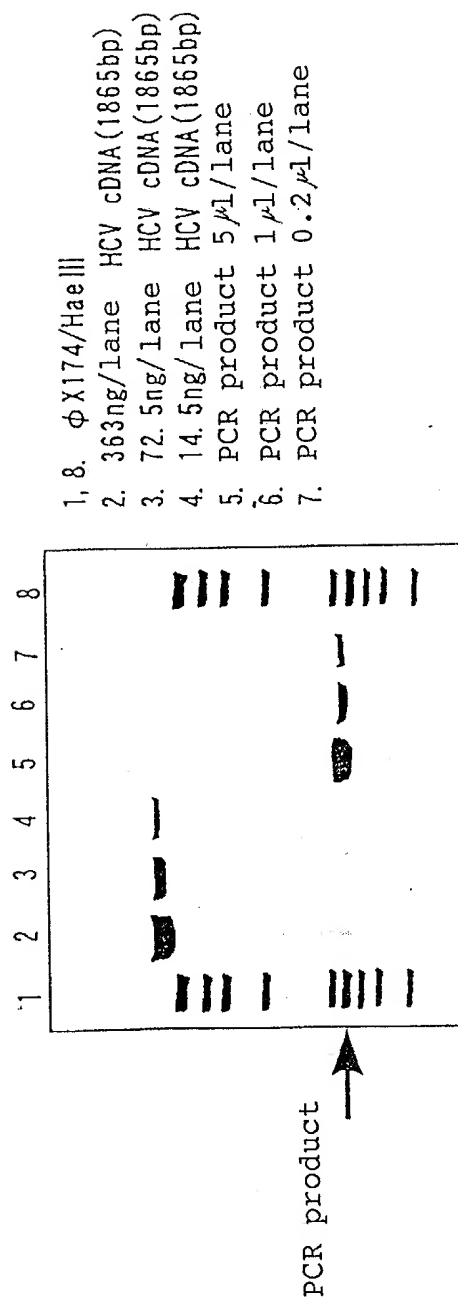
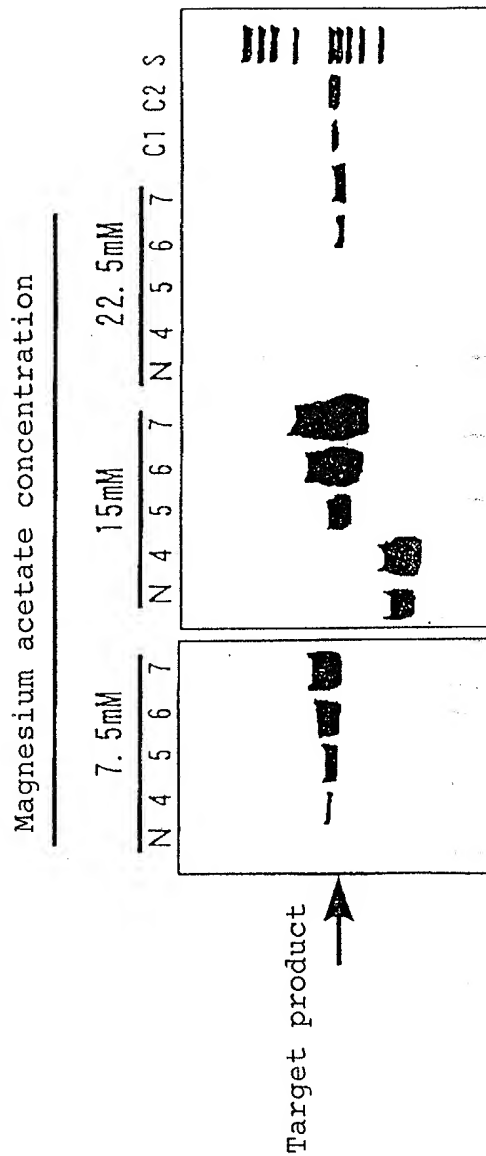


# FIG. 1



# FIG. 2



N: Negative

Numerals logarithmically denote the initial copy number (/test) of the standard DNA

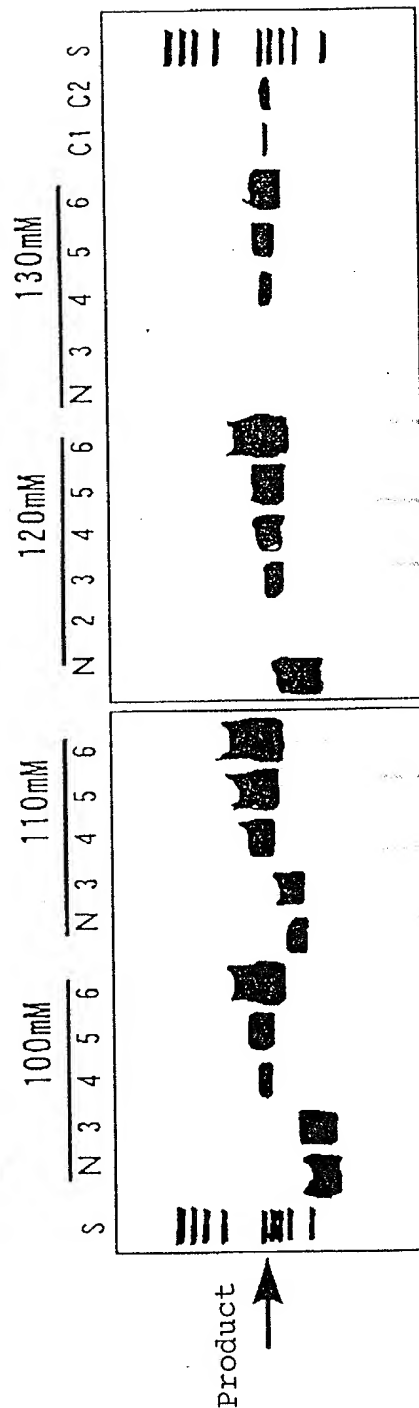
C1: 10<sup>10</sup> copy/1 lane standard DNA

C2: 5X10<sup>11</sup> copy/1 lane standard DNA

S:  $\phi$ X174/HaeIII

# FIG. 3

Potassium acetate concentration



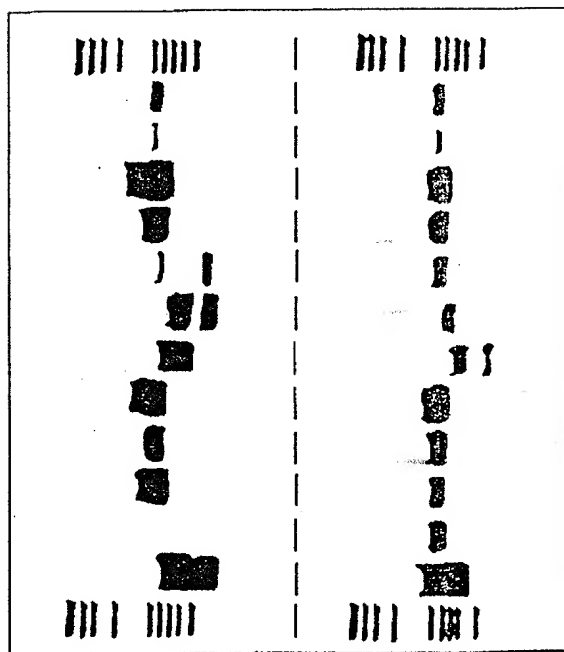
N: Negative  
 Numerals logarithmically denote the initial  
 copy number (/test) of the standard DNA  
 C1:  $10^{10}$  copy/1 lane standard DNA  
 C2:  $5 \times 10^6$  copy/1 lane standard DNA  
 S:  $\phi$ X174/HaeIII

# FIG. 4

Final sorbitol concentration

15% 11.3%

S N 3 4 5 6 N 3 4 5 6 C1 C2 S



Product

Product

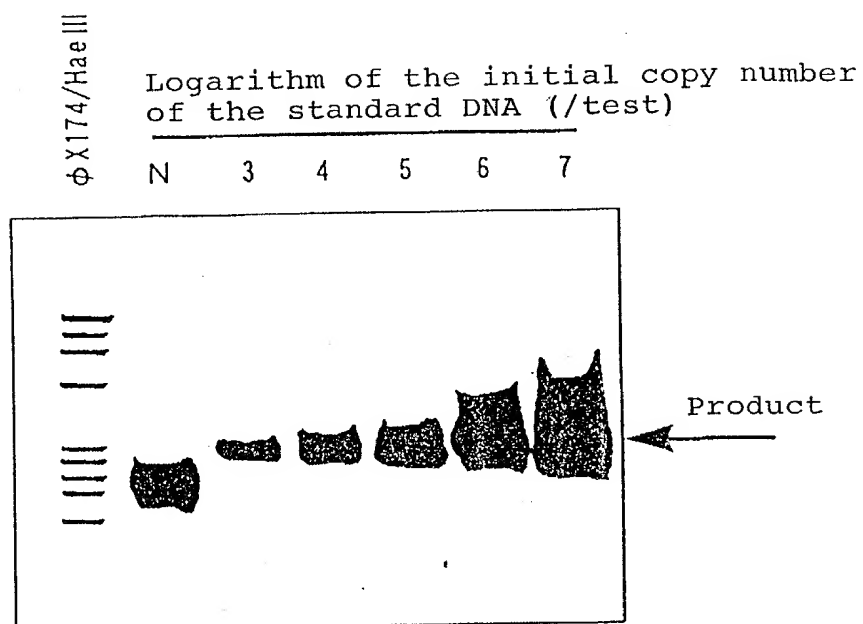
9% 7.5%

Final Sorbitol concentration

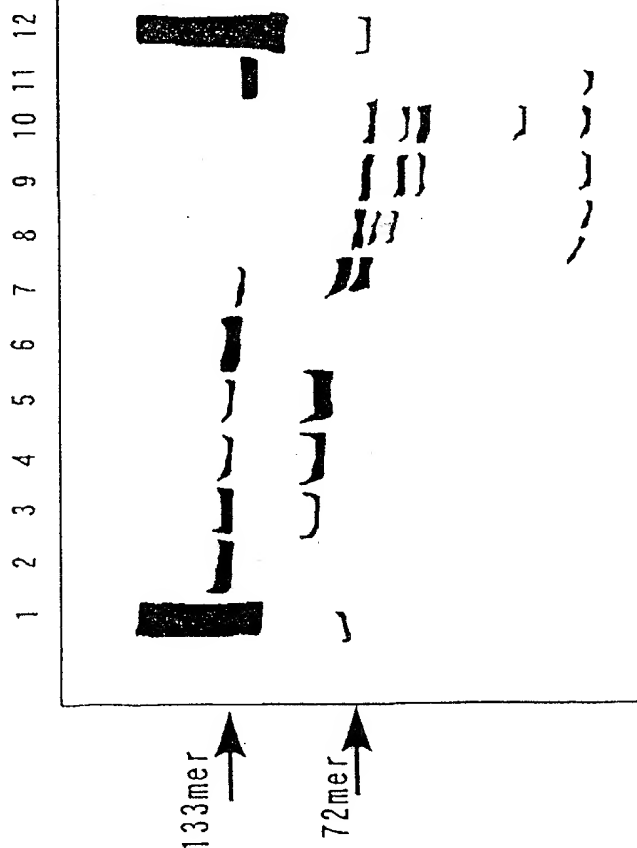
Final Sorbitol concentration

N: Negative  
 Numerals logarithmically denote the initial  
 copy number (/test) of the standard DNA  
 C1:  $10^{10}$  copy/1 lane standard DNA  
 C2:  $5 \times 10^{11}$  copy/1 lane standard DNA  
 S:  $\phi$ X174/HaeIII

# FIG. 5

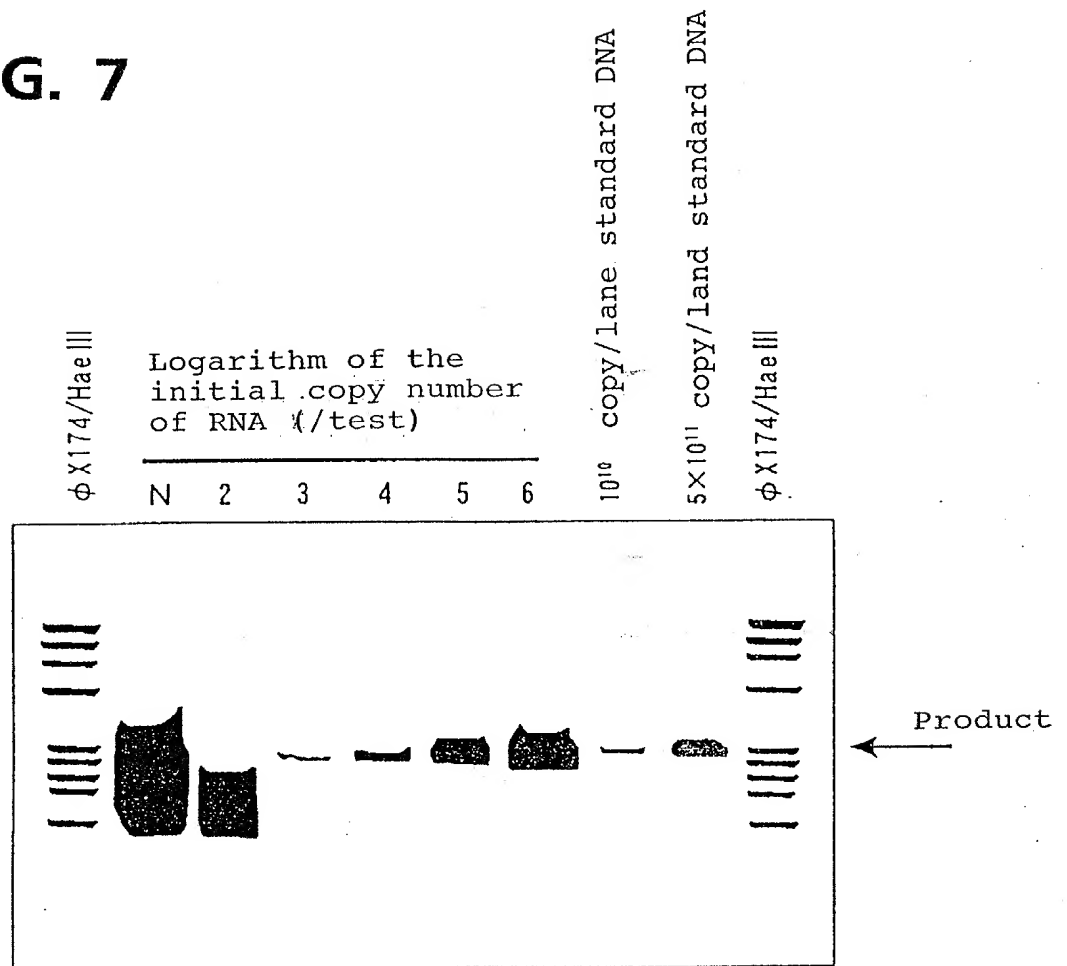


# FIG. 6

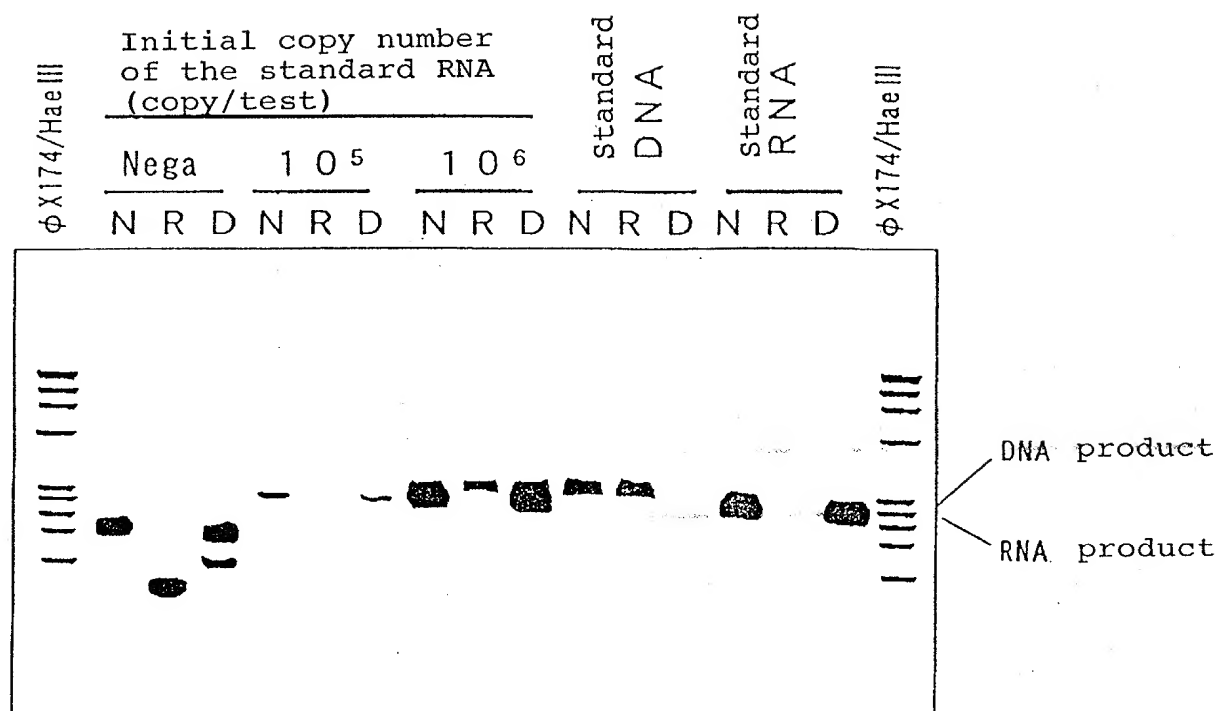


- 1, 12. Thermally denatured x174/HaeIII
2. Tris-acetate buffer  $7 \times 10^{-6}$  U/ $\mu$ l RNaseH
3. Tris-acetate buffer  $7 \times 10^{-5}$  U/ $\mu$ l RNaseH
4. Tris-acetate buffer  $7 \times 10^{-4}$  U/ $\mu$ l RNaseH
5. Tris-acetate buffer  $7 \times 10^{-3}$  U/ $\mu$ l RNaseH
6. Tris-acetate buffer RNaseH without addition of RNaseH
7. Tris-HCl buffer  $10^{-5}$  U/ $\mu$ l RNaseH
8. Tris-HCl buffer  $10^{-4}$  U/ $\mu$ l RNaseH
9. Tris-HCl buffer  $10^{-3}$  U/ $\mu$ l RNaseH
10. Tris-HCl buffer  $10^{-2}$  U/ $\mu$ l RNaseH
11. Tris-HCl buffer RNaseH without addition of RNaseH

# FIG. 7



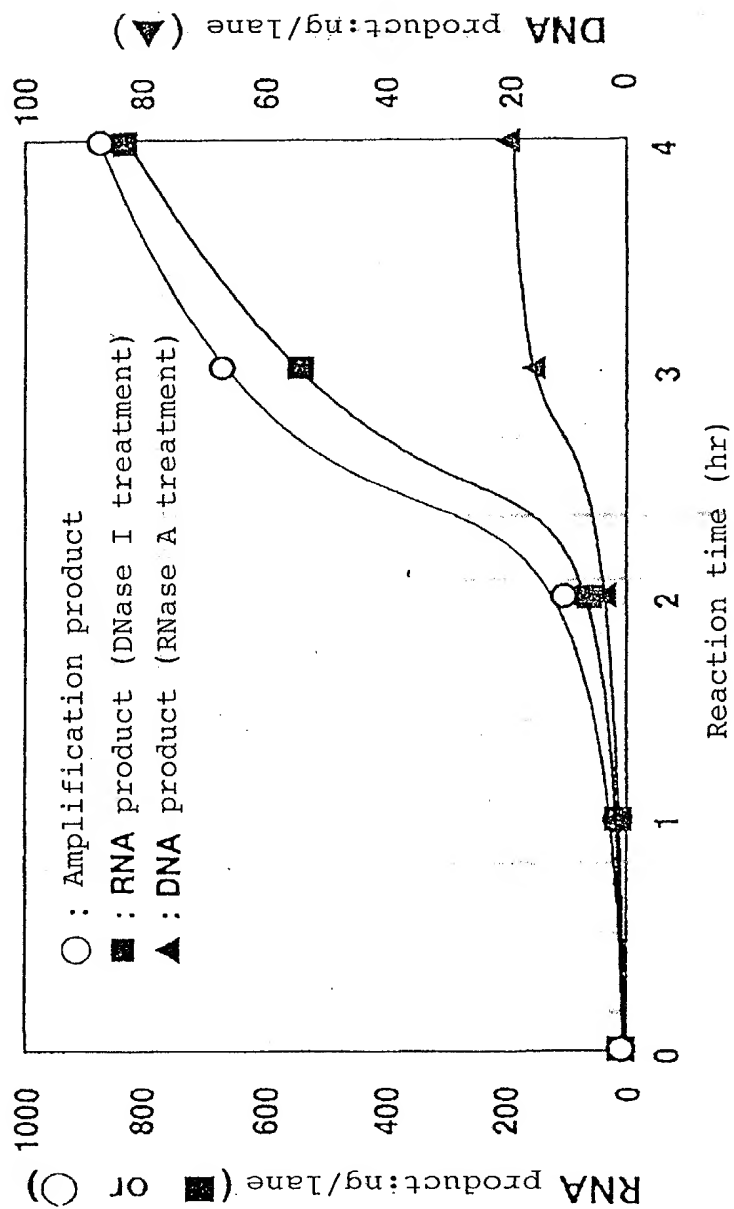
# FIG. 8



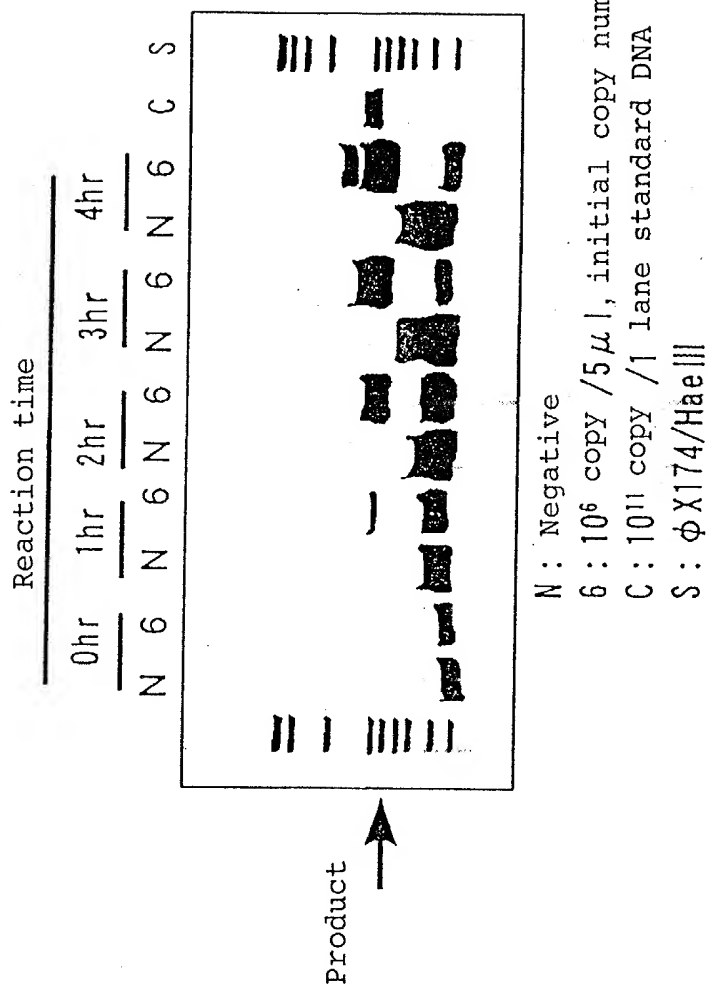
N : No treatment  
 R : RNaseA treatment  
 D : DNase I treatment



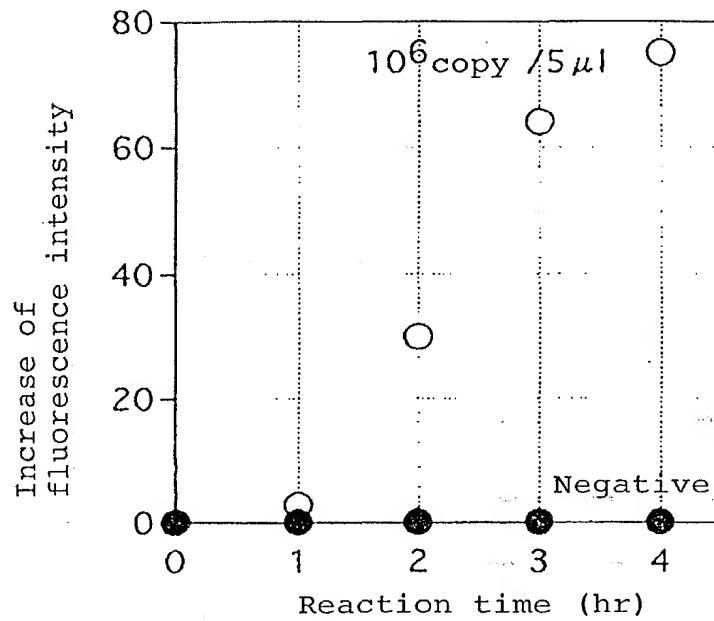
# FIG. 9



# FIG. 10



**FIG. 11**



**FIG. 12**

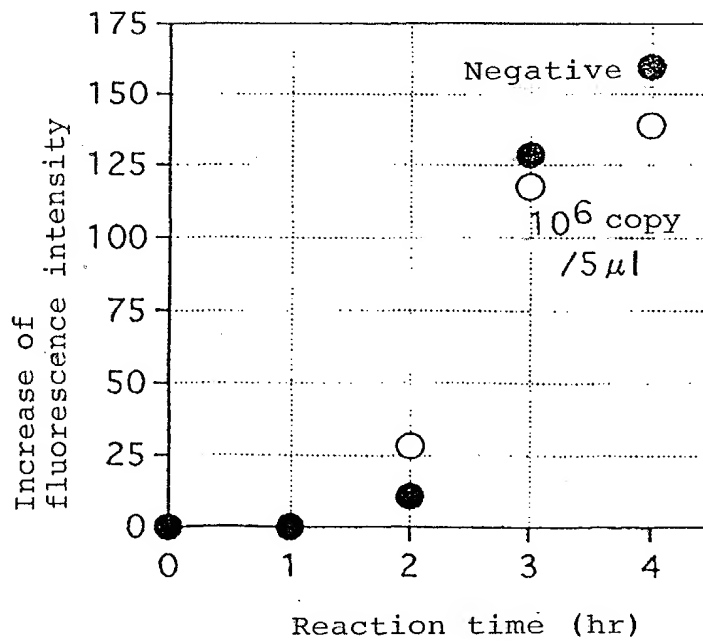
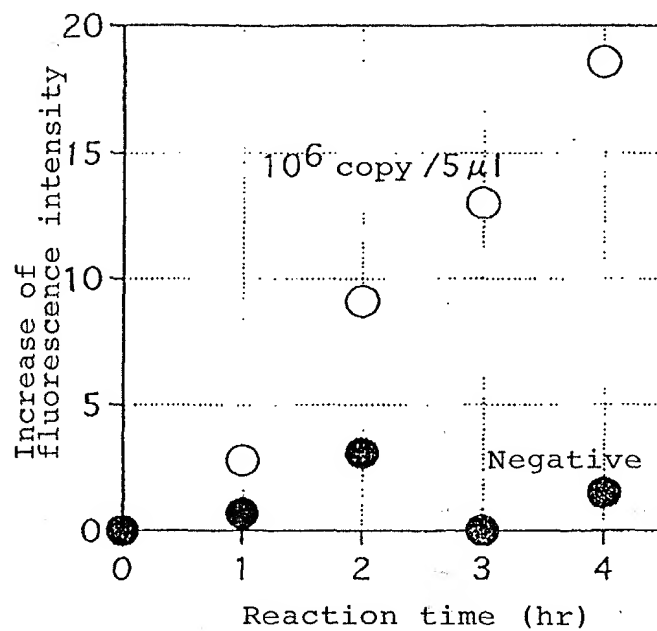
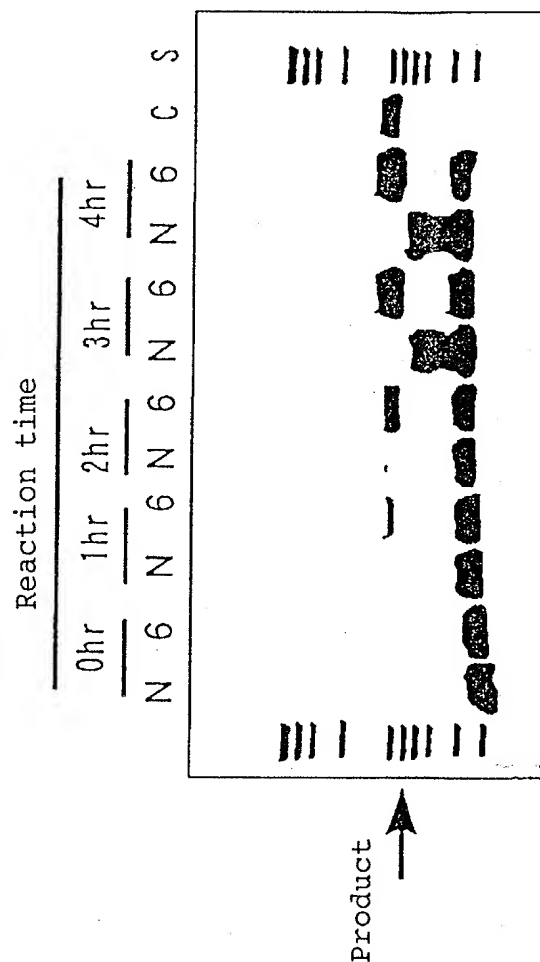


FIG. 13



# FIG. 14



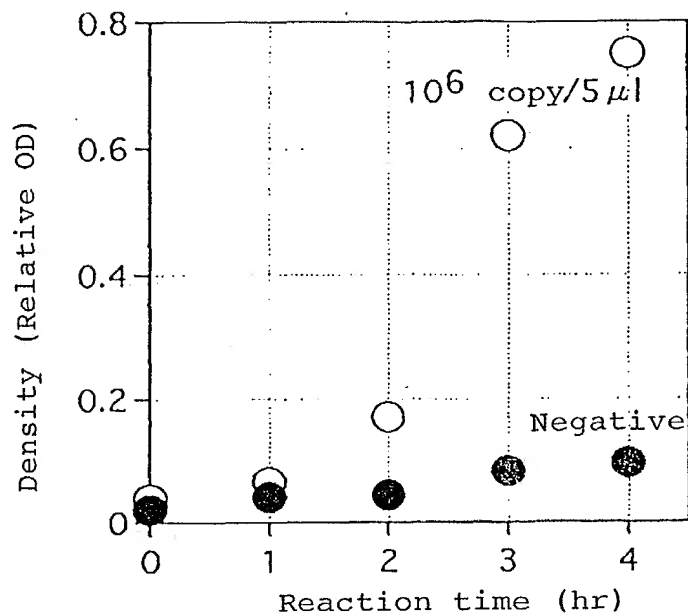
N : Negative

6 :  $10^6$  copy /  $5\mu$ l, Initial copy number of standard RNA

C :  $10^{11}$  copy / 1 Standard DNA

S :  $\phi$ X174/HaeIII

**F I G. 15**



**F I G. 16**

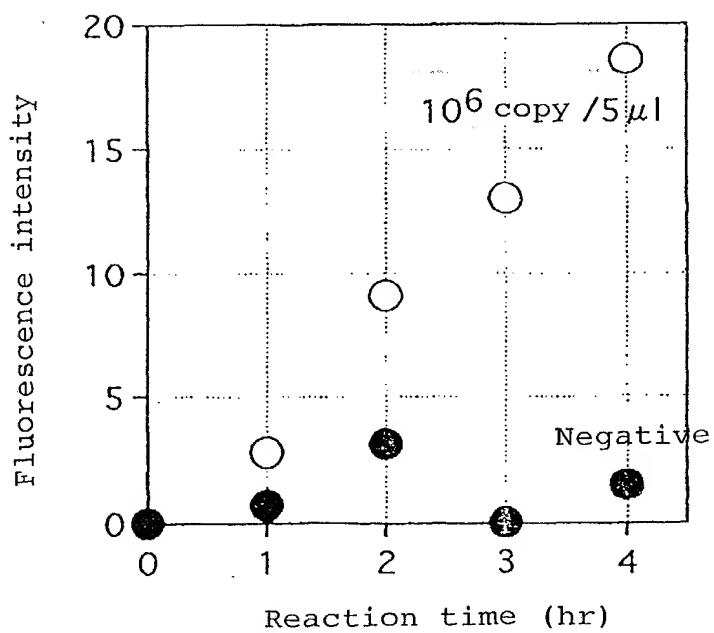
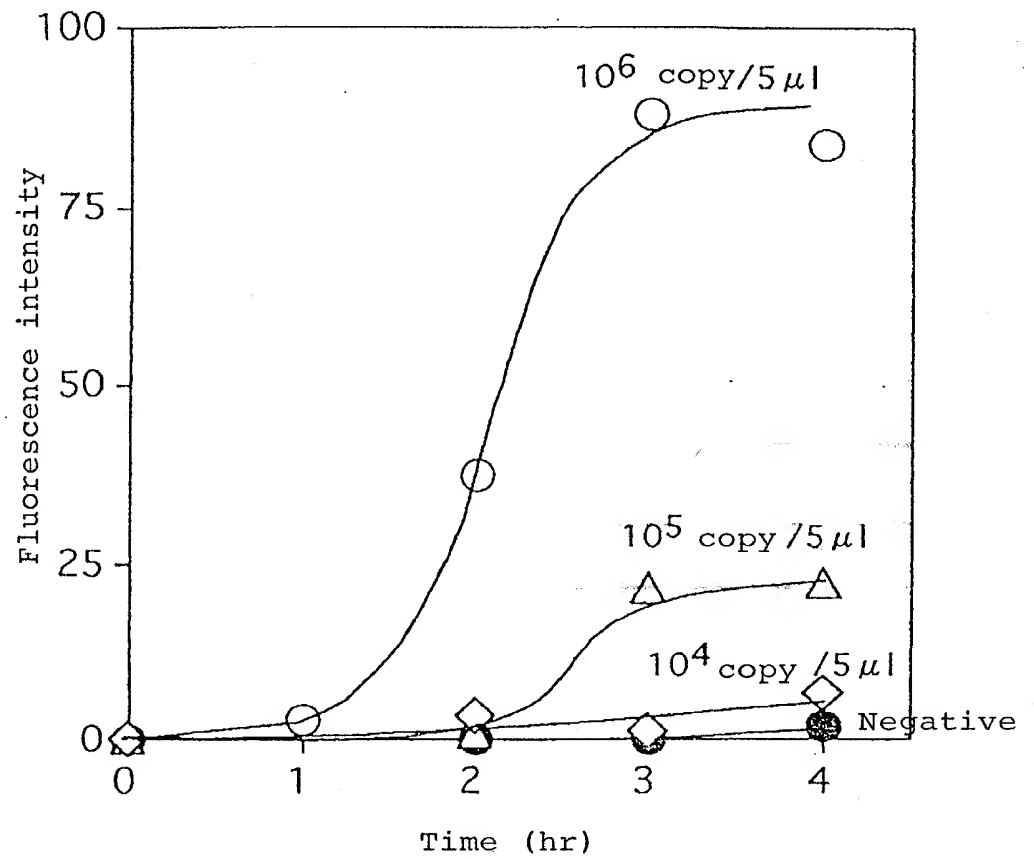
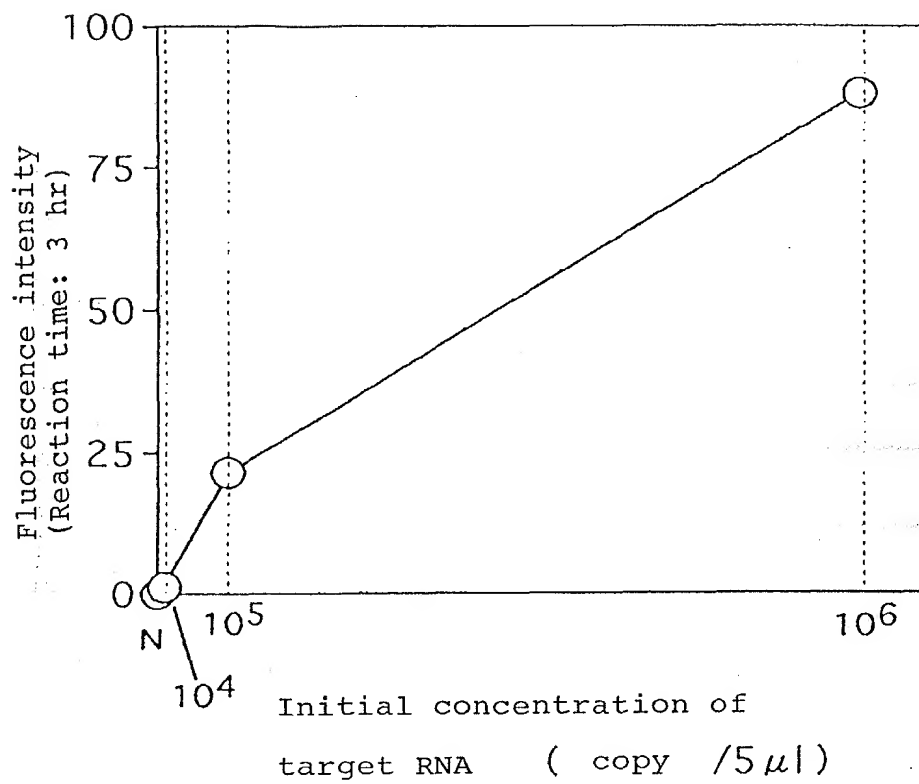


FIG. 17



**FIG. 18**



**FIG. 19**

